ABSTRACT

[0046] Methods in accordance with the present invention can include determining a

position of a head along a stroke by locating one or more marker-zones printed to a reference

surface of a disk. The one or more marker-zones can be printed to a portion of the reference

surface as one or more pulses from a template pattern that can further comprise a plurality of

chevrons. In one embodiment, each pulse can trace the motion of the stroke along at least a

portion of the radius of the reference surface. A pulse can identify a marker-zone edge when the

pulse disappears at some radius from the center of the disk. By moving the head along the stroke,

the marker-zone edge can be detected and a gross position determined. A fractional position can

be determined by measuring a phase of a chevron located at substantially the same radial location

as the edge.

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